

**STATE OF CALIFORNIA
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL COAST REGION
895 Aerovista Place, Suite 101
San Luis Obispo, California 93401**

**MONITORING AND REPORTING PROGRAM NO. R3-2006-0005
Waste Discharger Identification No. 3 270104001**

For

**CITY OF GONZALES
WASTEWATER TREATMENT PLANT
MONTEREY COUNTY**

Reporting responsibilities are specified in Sections 13225(a) and 13267(b) of the California Water Code. This Discharge Monitoring and Reporting Program is issued in accordance with Provision C.2 of Regional Water Board Order No. R3-2006-0005.

WATER SUPPLY MONITORING

Representative samples of water supplies impacting the City's wastewater treatment facilities shall be collected and analyzed for the constituents and at the frequency specified below:

Parameter/Constituent	Units*	Sample Type	Minimum Sampling and Analyzing Frequency**
General Minerals***	mg/L	Grab	Annually (September)

* Data shall be reported as individual concentrations for each water supply well sampled and calculated as flow weighted averages to represent as delivered water supply quality.

** Sampling results for the Department of Health Services may be submitted to satisfy these requirements.

*** General Mineral analysis shall include the following constituents: Calcium, Magnesium, Sodium, Sulfate, Carbonate, Bi-Carbonate, Chloride, Total Hardness, Total Alkalinity, Total Dissolved Solids, pH, Electrical Conductivity, Boron, Iron, and Nitrate (as N).

POND MONITORING

Representative samples of wastewater contained in each treatment pond shall be collected and analyzed for the constituents and at the frequency specified below:

Constituent	Units	Sample Type	Minimum Sampling and Analyzing Frequency
pH	-	Grab*	Weekly
Dissolved Oxygen	mg/L	Grab*	Weekly

* Grab sample to be taken at one-foot depth.

INFLUENT MONITORING

Representative samples of the influent shall be collected and analyzed for the constituents and at the frequencies specified below:

Parameter/Constituent	Units	Sample Type	Minimum Sampling and Analyzing Frequency
Flow Volume	MGD	Metered	Daily
Maximum Daily Flow	MGD	Metered	Monthly
Mean Daily Flow	MGD	Calculated	30-day Running Average
BOD ₅	mg/L	24 hr Composite	Monthly
Total Suspended Solids	mg/L	24 hr Composite	Monthly
Settleable Solids	mg/L	24 hr Composite	Monthly
Nitrite (as N)	mg/L	24 hr Composite	Monthly
Nitrate (as N)	mg/L	24 hr Composite	Monthly
Total Kjeldahl Nitrogen (as N)	mg/L	24 hr Composite	Monthly
Total Nitrogen (as N)	mg/L	24 hr Composite	Monthly
Total Dissolved Solids	mg/L	24 hr composite	Quarterly (Dec., March, June, Sept.)
Sodium	mg/L	24 hr composite	Quarterly (Dec., March, June, Sept.)
Chloride	mg/L	24 hr composite	Quarterly (Dec., March, June, Sept.)
Sulfate	mg/L	24 hr composite	Quarterly (Dec., March, June, Sept.)
Boron	mg/L	24 hr composite	Quarterly (Dec., March, June, Sept.)

GROUNDWATER MONITORING

Representative samples of groundwater shall be collected from shallow wells upgradient and downgradient of the disposal area. To ascertain compliance with Waste Discharge Requirements in establishing new, or verifying existing upgradient and downgradient monitoring wells, the monitoring network shall be supported by sufficient, as determined by the Executive Officer, geologic and hydrogeologic documentation. Samples of groundwater shall be collected and analyzed for the constituents and at the frequencies specified below:

Parameter/Constituent	Units	Sample Type	Minimum Sampling and Analyzing Frequency
Depth to Groundwater	feet	Measured	Monthly
pH	-	Grab	Monthly
Total Dissolved Solids	mg/L	Grab	Monthly
Sodium	mg/L	Grab	Monthly
Chloride	mg/L	Grab	Monthly
Boron	mg/L	Grab	Monthly
Sulfate	mg/L	Grab	Monthly
Nitrite (as N)	mg/L	Grab	Monthly
Nitrate (as N)	mg/L	Grab	Monthly
Total Kjeldahl Nitrogen (as N)	mg/L	Grab	Monthly
Total Nitrogen (as N)	mg/L	Grab	Monthly

* Monthly monitoring through September 2007, Quarterly (December, March, June, September) thereafter.

EFFLUENT MONITORING

Representative samples of wastewater being discharged to the infiltration basins shall be collected and analyzed for the constituents and at the frequencies specified below:

Constituent	Units	Sample Type	Minimum Sampling and Analyzing Frequency*
pH	-	Grab	Monthly
BOD ₅	mg/L	Grab	Monthly
Total Suspended Solids	mg/L	Grab	Monthly
Settleable Solids	mg/L	Grab	Monthly
Nitrite (as N)	mg/L	Grab	Monthly
Nitrate (as N)	mg/L	Grab	Monthly
Total Kjeldahl Nitrogen (as N)	mg/L	Grab	Monthly
Total Nitrogen (as N)	mg/L	Grab	Monthly
Total Dissolved Solids	mg/L	Grab	Quarterly (Dec., March, June, Sept.)
Sodium	mg/L	Grab	Quarterly (Dec., March, June, Sept.)
Chloride	mg/L	Grab	Quarterly (Dec., March, June, Sept.)
Boron	mg/L	Grab	Quarterly (Dec., March, June, Sept.)
Sulfate	mg/L	Grab	Quarterly (Dec., March, June, Sept.)
Aluminum	mg/L	Grab	Annually (September)
Antimony	mg/L	Grab	Annually (September)
Arsenic	mg/L	Grab	Annually (September)
Barium	mg/L	Grab	Annually (September)
Beryllium	mg/L	Grab	Annually (September)
Cadmium	mg/L	Grab	Annually (September)
Chromium	mg/L	Grab	Annually (September)
Copper	mg/L	Grab	Annually (September)
Cyanide	mg/L	Grab	Annually (September)
Flouride	mg/L	Grab	Annually (September)
Lead	mg/L	Grab	Annually (September)
Mercury	mg/L	Grab	Annually (September)
Nickel	mg/L	Grab	Annually (September)
Selenium	mg/L	Grab	Annually (September)
Thalium	mg/L	Grab	Annually (September)
Zinc	mg/L	Grab	Annually (September)
PCBs	mg/L	Grab	Once/5 years (September)
Pesticides	mg/L	Grab	Once/5 years (September)

* If there is no discharge to the infiltration basins, samples of the wastewater contained in the final pond being utilized shall be collected and analyzed.

SOLIDS/BIOSOLIDS MONITORING

The Discharger shall submit a summary of activities regarding solids handling with each quarterly monitoring report. Prior to biosolid removal or change in disposal practices (location, process, frequency), the Discharger shall submit all disposal information to the Executive Officer for approval. Representative samples of the biosolids to be disposed off shall be collected and analyzed for the constituents and at the frequencies specified below:

Parameter/Constituent *	Units	Sample Type	Minimum Sampling and Analyzing Frequency **
Quantity	Tons or yds ³	Measured during removal	Each load
Moisture Content	%	Grab	Prior to transport/disposal
Nitrate (as N)	mg/kg	Grab	Prior to transport/disposal
Total Phosphorus	mg/kg	Grab	Prior to transport/disposal
pH	pH units	Grab	Prior to transport/disposal
Grease & Oil	mg/kg	Grab	Prior to transport/disposal
Arsenic	mg/kg	Grab	Prior to transport/disposal
Antimony	mg/kg	Grab	Prior to transport/disposal
Barium	mg/kg	Grab	Prior to transport/disposal
Beryllium	mg/kg	Grab	Prior to transport/disposal
Boron	mg/kg	Grab	Prior to transport/disposal
Cadmium	mg/kg	Grab	Prior to transport/disposal
Cobalt	mg/kg	Grab	Prior to transport/disposal
Copper	mg/kg	Grab	Prior to transport/disposal
Chromium, VI & Total	mg/kg	Grab	Prior to transport/disposal
Lead	mg/kg	Grab	Prior to transport/disposal
Mercury	mg/kg	Grab	Prior to transport/disposal
Molybdenum	mg/kg	Grab	Prior to transport/disposal
Nickel	mg/kg	Grab	Prior to transport/disposal
Selenium	mg/kg	Grab	Prior to transport/disposal
Silver	mg/kg	Grab	Prior to transport/disposal
Thallium	mg/kg	Grab	Prior to transport/disposal
Tin	mg/kg	Grab	Prior to transport/disposal
Vanadium	mg/kg	Grab	Prior to transport/disposal
Zinc	mg/kg	Grab	Prior to transport/disposal
Pesticides	mg/kg	Grab	Prior to transport/disposal***
Organic Lead	mg/kg	Grab	Prior to transport/disposal***
PCBs	mg/kg	Grab	Prior to transport/disposal***

* Characterization required by disposal facility may be submitted in place of this list.

** If no need for sludge/biosolids removal occurs during a given year, the Discharger will have no obligation for biosolids monitoring. Reporting in this case shall explain the absence of this monitoring.

*** At least once every 5 years prior to transport or disposal.

FACILITY MONITORING

The Discharger shall inspect the treatment and disposal systems every two weeks. During the inspection, the Discharger shall note compliance status with this Order, particularly Discharge Prohibition A.1. A log of these inspections shall be maintained and a summary of observations made during the inspections shall be submitted with each quarterly monitoring report.

INFLOW/INFILTRATION MONITORING

The Discharger shall submit a summary of activities regarding its Best Management Practices for inflow/infiltration control with the annual monitoring report. The summary should address investigations into inflow/infiltration, and efforts to reduce inflow/infiltration to the Gonzales Wastewater Treatment Plant.

SALT MONITORING

The Discharger shall submit a summary of its salt reduction efforts with the annual monitoring report. This report shall include, at a minimum, the following:

- a. Calculations of annual salt mass discharged to the wastewater treatment system and disposal ponds with an accompanying analysis of contributing sources;
- b. Analysis of wastewater evaporation/salt concentration effects;
- c. Analysis of groundwater monitoring results related to salt constituents;
- d. Analysis of potential impacts of salt loading on the groundwater basin;
- e. A summary of existing salt reduction measures; and,
- f. Recommendations and time schedules for implementation of any additional salt reduction measures.

REPORTING

Monitoring reports are required quarterly, by the 30th of January, April, July, and October, and shall contain all data collected or calculated over the previous three months. Pursuant to Standard Provisions and Reporting Requirements, General Reporting Requirement C.16, an annual report is required by the 30th of January along with the 4th quarter monitoring report. Reports shall be signed and stamped by a Civil Engineer familiar with the treatment plant and discharge.

SPILL REPORTING**Reporting to the Regional Water Board**

1. Sewage spills greater than 1,000 gallons and/or all sewage spills that enter waters of the State, or occur where public contact is likely, regardless of the size, shall be reported to the Regional Water Board by telephone as soon as notification is possible and can be provided without substantially impeding cleanup or other emergency measures, and no later than 24 hours from the time that the Discharger has knowledge of the overflow.

2. Unless fully contained, overflows to storm drains tributary to Waters of the United States shall be reported as discharges to surface waters.
3. A written report of all relevant information shall be submitted to the Regional Water Board within five days of the spill, and shall include no less information than is required on the current spill reporting form (Attachment 5), or equivalent, as approved by the Executive Officer. Attachments to the report should be used as appropriate, and incidents requiring more time than the five-day period must be followed by periodic written status reports until issue closure. Photographs taken during the overflow incident and cleanup shall be submitted to the Regional Water Board in hard copy and electronic format. Copy of such reports shall also be provided to Santa Barbara County Health Department.
4. The Discharger shall sample all spills to surface waters to determine their effects on surface waters and submit the data to the Executive Officer within 30 days. Samples shall, at minimum, be analyzed for total and fecal coliform bacteria and enterococcus bacteria for spills to marine water, and fecal coliform bacteria for spills to fresh water. Sampling shall be conducted in the affected receiving water body upstream, at, and downstream of the overflow's point of entry, and as necessary to characterize the overflow's impact and to ensure adequate clean-up.
5. Spills under 1,000 gallons that do not enter a water body shall be reported to the Regional Water Board in writing and electronically (Excel spreadsheet preferred) within 30 days. Such reports shall include, at a minimum, a tabular summary of spill dates, locations, volumes, whether the spill discharged to surface waters (including conveyances thereto) or land, whether cleanup and/or disinfection was performed, the spill's cause, the number of spills at the location in the last three years, and weather conditions.

This policy is subject to revision by the Executive Officer.

Contact Information

Central Coast Regional Water Quality Control Board
895 Aerovista Place, Suite 101
San Luis Obispo, CA 93401-5411
Phone: (805) 549-3147
FAX: (805) 549-0397

6. The Discharger shall submit to the Regional Water Board a summary report of all overflows between January 1 and December 31 of the previous year with the annual monitoring report. This report shall include at a minimum the following information for each overflow:
 - a. Information requested in the Sewage Spill Report Form;
 - b. How the overflow volume was estimated and/or calculated;
 - c. Photograph(s) of spill, if taken;
 - d. Where the spill entered any storm drain inlet or surface waters;
 - e. Steps taken or planned to reduce, eliminate, and prevent recurrence of the overflow, and a schedule of major milestones for those steps;
 - f. Steps taken or planned to mitigate the impact(s) of the overflow, and a schedule of major milestones for those steps;
 - g. Any additional correspondence and follow-up reports, as necessary, to supplement the Sewage Spill Report Form and to provide detailed information on cause, response, adverse effects, corrective actions, preventative measures, or other information.

The annual report shall include detailed evaluations of repetitive or chronically occurring circumstances, such as problematic collection system areas or common overflow causes, and the corrective actions taken to address such systematic problems.

A statement certifying that there were no wastewater overflows for the last twelve months may be submitted (when appropriate) in lieu of the annual overflow report.

Reporting to the Governor's Office of Emergency Services

7. In accordance with the Governor's Office of Emergency Services (OES) 2002 Fact Sheet regarding the reporting of sewage releases (as revised or updated), the California Water Code, commencing with Section 13271, requires that a discharge of sewage into or onto State waters must be reported to OES.

To report sewage releases of 1,000 gallons or more (currently the federal reportable quantity) to OES, **verbally notify the OES Warning Center at:** (800) 852-7550, or (916) 845-8911.

The following fax number should be used *for follow-up information only*: (916) 262-1677. The reportable quantity is subject to revision by the State of California. OES reporting requirements for sewage releases and hazardous materials can be located on the OES Website @ www.oes.ca.gov in the California Hazardous Material Spill/Release Notification Guidance. The OES Hazardous Materials Unit staff is available for questions at (916) 845-8741.

OES Reporting Exceptions: Notification to OES of an unauthorized discharge of sewage or hazardous substances is not required if: 1) the discharge to State waters is a result of a cleanup or emergency response by a public agency; 2) the discharge occurs on land only and does not affect State waters; or 3) the discharge is in compliance with applicable waste discharge requirements. These exceptions apply only to the Discharger's responsibility to report to OES, and do not alter the Regional Water Board's reporting policies or waste discharge requirements.

IMPLEMENTATION

This monitoring and reporting program shall be implemented immediately.

ORDERED BY


Executive Officer

3-27-06
Date